

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A method comprising:

controlling at least two different audio electrical signals to be provided
respectively to at least two electroacoustical transducers of an array to selectively reduce
~~achieve reduced~~ cancellation of acoustic signals produced by the transducers at
frequencies below $F_D = c/2D$, in which D is an inter-transducer distance and c is the
speed of sound, the controlling being done as a function of at least one of a volume
control ~~[[or]]~~and a detected signal level, the reduction in cancellation changing a radiated
acoustic power spectrum of the array at frequencies below F_D , and

equalizing the audio electrical signals below F_D based on the change in the
radiated acoustic power spectrum.
2. (currently amended) The method of claim 1 in which the ~~adjusting equalization to~~
~~compensate for the change in the acoustic power spectrum~~ equalizing of the audio
electrical signals comprises maintaining the radiated ~~relative~~ acoustic power spectrum
substantially uniform.
3. (currently amended) The method of claim 1 in which the ~~adjusting~~ equalizing occurs
prior to the controlling.
4. (currently amended) The method of claim 1 in which the change in the acoustic power
spectrum resulting from the controlling of the signals is predicted, and the ~~adjusting~~
equalizing is based on the ~~predicting~~ change predicted.

5. (currently amended) The method of claim 1 in which the ~~adjusting~~ equalizing is based on a-volume level selected by a user.
6. (currently amended) The method of claim 1 in which the ~~adjusting~~ equalizing is based on a signal level detected in the controlled audio electrical signals.
7. (original) The method of claim 1 in which the controlling comprises reducing the amplitude of one of the audio electrical signals for higher acoustic volume levels.
8. (original) The method of claim 7 in which the controlling comprises combining two components of an intermediate electrical signal in selectable proportions.
9. (original) The method of claim 1 in which the controlling of the audio electrical signals comprises adjusting a level of one of the signals over a limited frequency range.
10. (canceled).
11. (currently amended) Electroacoustical transducing apparatus comprising:
 - an input terminal to receive an input audio electrical signal, ~~and~~
 - a plurality of at least two electroacoustical transducers in an array, and
 - circuitry constructed and arranged to generate and control at least two different but related output audio electrical signals from the input audio electrical signal, wherein the at least two different but related output signals are coupled respectively to said at least two electroacoustical transducers of an array~~[[,]]~~ and to ~~achieve-reduced~~ selectively reduce cancellation of acoustic signals produced by the transducers at frequencies below $F_D = c/2D$, in which D is an inter-transducer distance and c is the speed of sound, the controlling being done as a function of at least one of a volume control ~~[[or]]~~ and a detected signal level, the reduction in cancellation changing a radiated acoustic power spectrum of the array at frequencies below F_D ~~[[,]]~~ and ~~equalizing to equalize~~ the ~~audio electrical output~~ signals below F_D based on the change in the radiated acoustic power spectrum.

12. (original) The apparatus of claim 11 in which the circuitry comprises a dynamic equalizer.
13. (currently amended) The apparatus of claim 12 in which the dynamic equalizer includes a pair of signal processing paths and a combiner to combine signals that are processed ~~[[on]]~~in the ~~[[two]]~~pair of signal processing paths.
14. (original) The apparatus of claim 12 in which the circuitry is also constructed and arranged to compensate for the change based on a volume level.
15. (currently amended) An electroacoustical transducer array comprising~~[[,]]~~:
 - a source of related electrical signal components,
 - a plurality of at least two electroacoustical transducers driven ~~respectively~~ by respective ones of said related electrical signal components,
 - an input terminal to receive input audio electrical signals, and
 - circuitry constructed and arranged to generate ~~and control~~ at least two different but related output audio electrical signals coupled respectively to said at least two electroacoustical transducers of an array~~[[,]]~~ and to control the at least two different but related output signals to ~~achieve reduced~~ selectively reduce cancellation of acoustical signals produced by the transducers at frequencies below $F_D = c/2D$, in which D is an inter-transducer distance and c is the speed of sound, the controlling being done as a function of at least one of a volume control ~~[[or]]~~and a detected signal level, the reduction in cancellation changing a radiated acoustic power spectrum of the array at ~~frequency~~ frequencies below F_D , and ~~equalizing to equalize the output~~ audio electrical signals below F_D based on the change in the radiated acoustic power spectrum.
16. (original) The apparatus of claim 15 in which the circuitry comprises a dynamic equalizer.

17. (currently amended) The apparatus of claim 16 in which the dynamic equalizer includes a pair of signal processing paths and a combiner to combine signals that are processed ~~[[on]]~~in the ~~two~~ pair of signal processing paths.
18. (original) The apparatus of claim 15 also comprising a second input terminal to carry a signal indicating a volume level for use by the circuitry.
19. (currently amended) A sound system comprising[[,]]:
 - a source of related electrical signal components,
 - a pair of electroacoustical transducer arrays, each of the arrays comprising a plurality of electroacoustical transducers driven respectively by said related electrical signal components, ~~and~~
 - an input terminal to receive input audio electrical signals[[,]], and
 - circuitry constructed and arranged to generate ~~and control~~ two different but related output audio electrical signals coupled to respective ones of said electroacoustical transducers of ~~an~~ respective arrays[[,]] and to control the two different but related output signals to ~~achieve reduced~~ selectively reduce cancellation of acoustic signals produced by the transducers at frequencies below $F_D = c/2D$, in which D is an inter-transducer distance and c is the speed of sound, the controlling being done as a function of at least one of a volume control ~~[[or]]~~and a detected signal level, the reduction in cancellation changing a radiated acoustic power spectrum of the array at frequencies below F_D [[,]] and ~~equalizing~~ to equalize the audio electrical signals below F_D based on the change in the radiated acoustic power spectrum.
20. (original) The electroacoustical transducing apparatus in accordance with claim 11 wherein said array comprises first and second closely spaced loudspeaker drivers having their axes angularly displaced by substantially 60 degrees.